

FIG. 1  
(PRIOR ART)

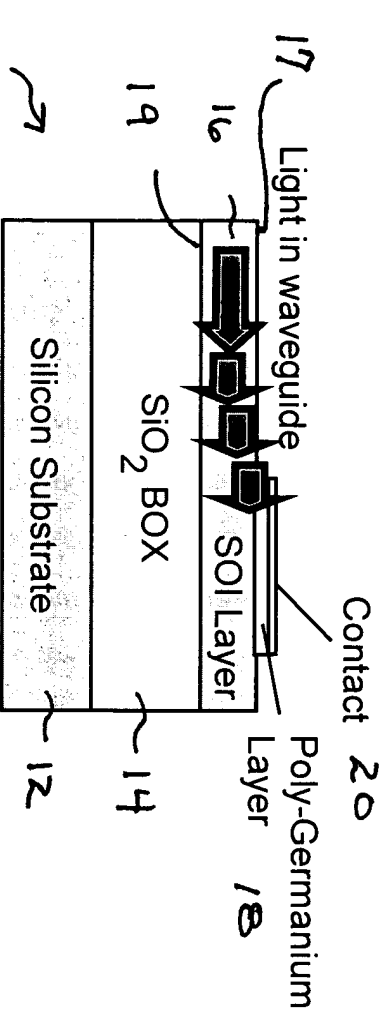


FIG. 2

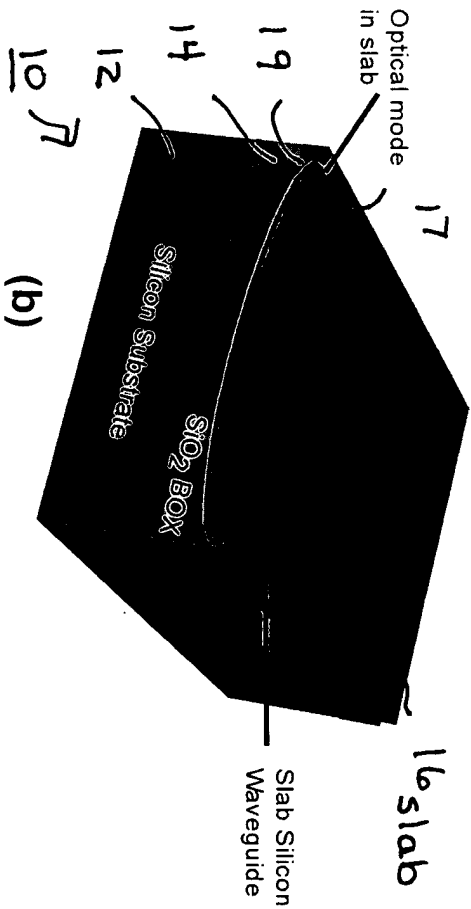
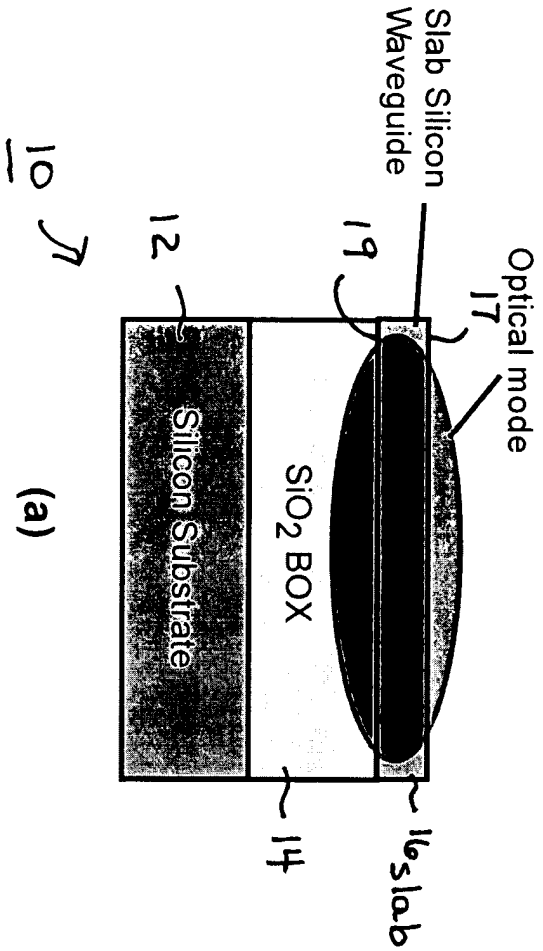
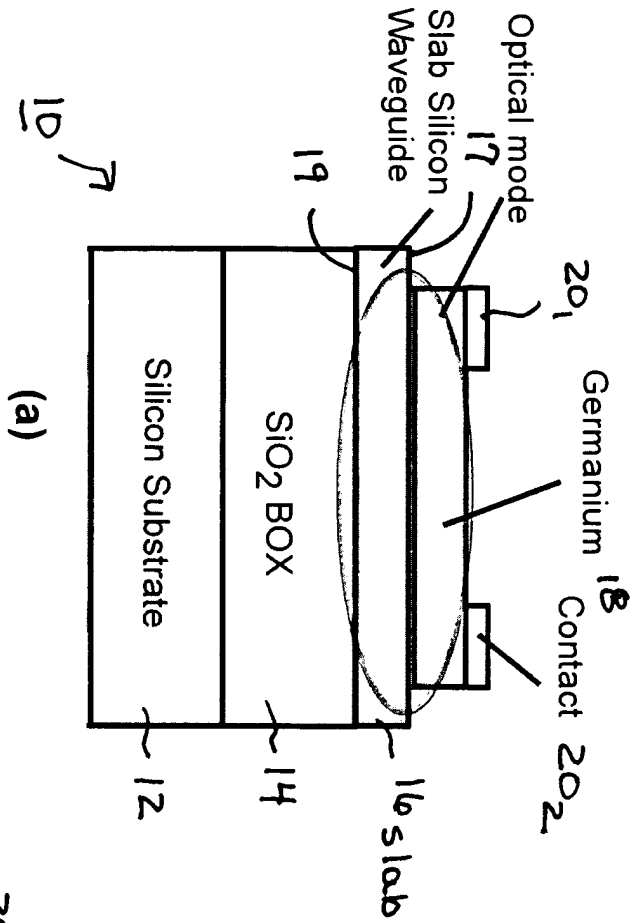
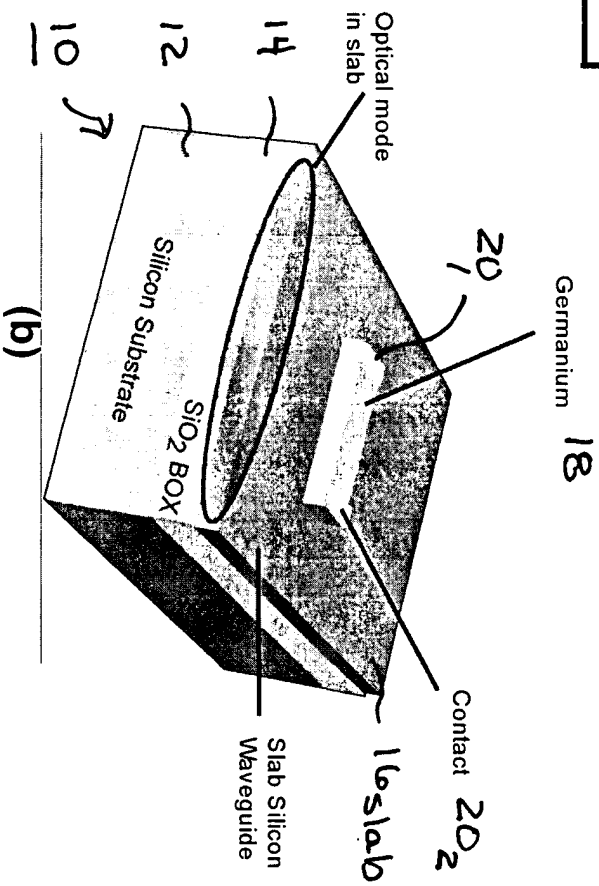


FIG. 3



(a)



(b)

FIG. 4

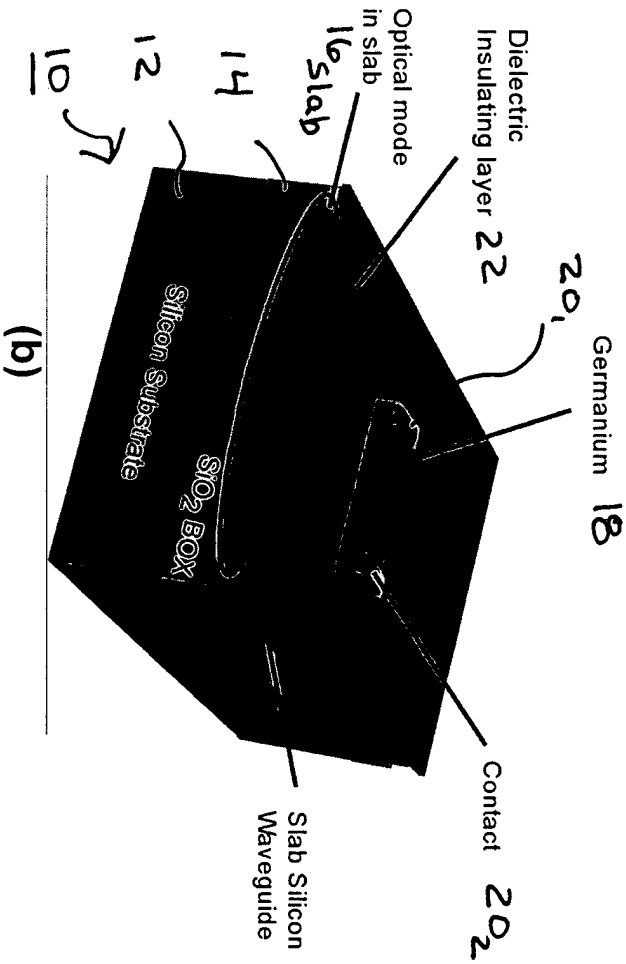
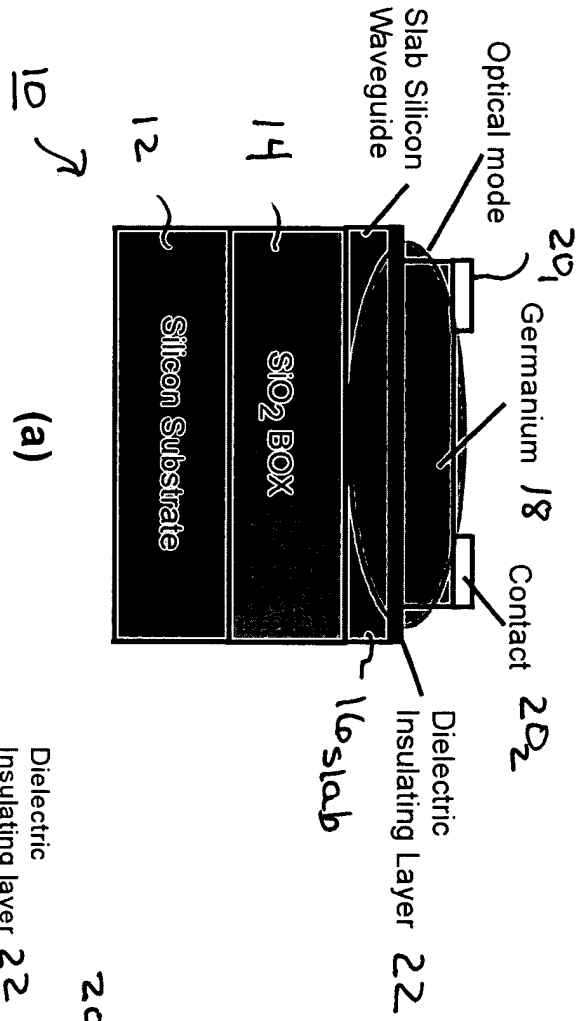


FIG. 5

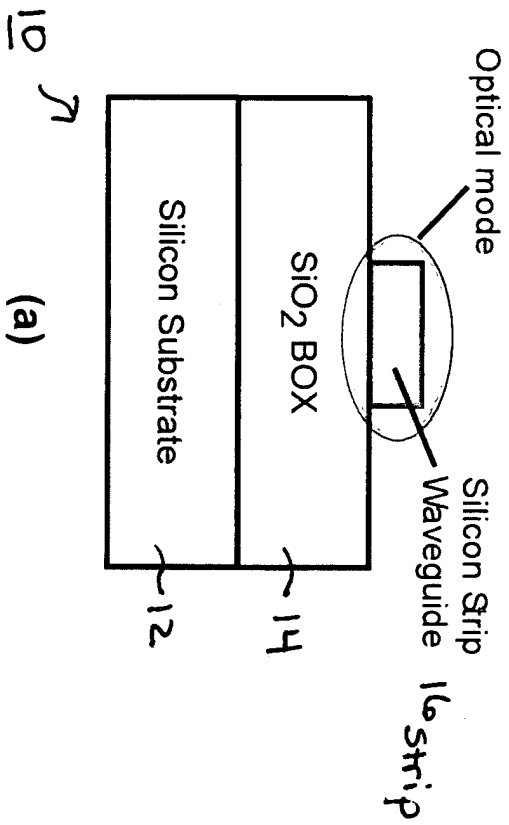
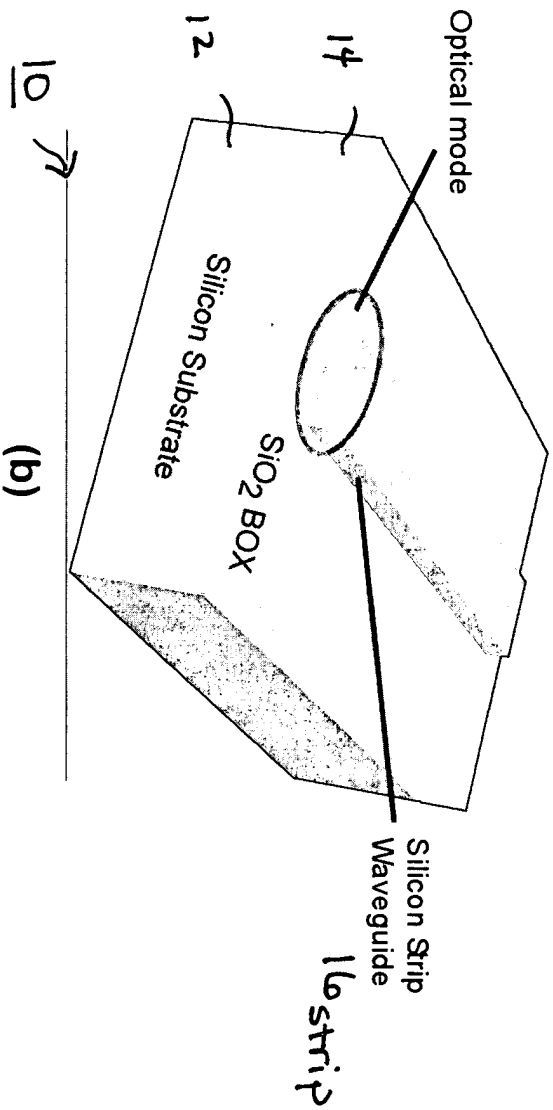
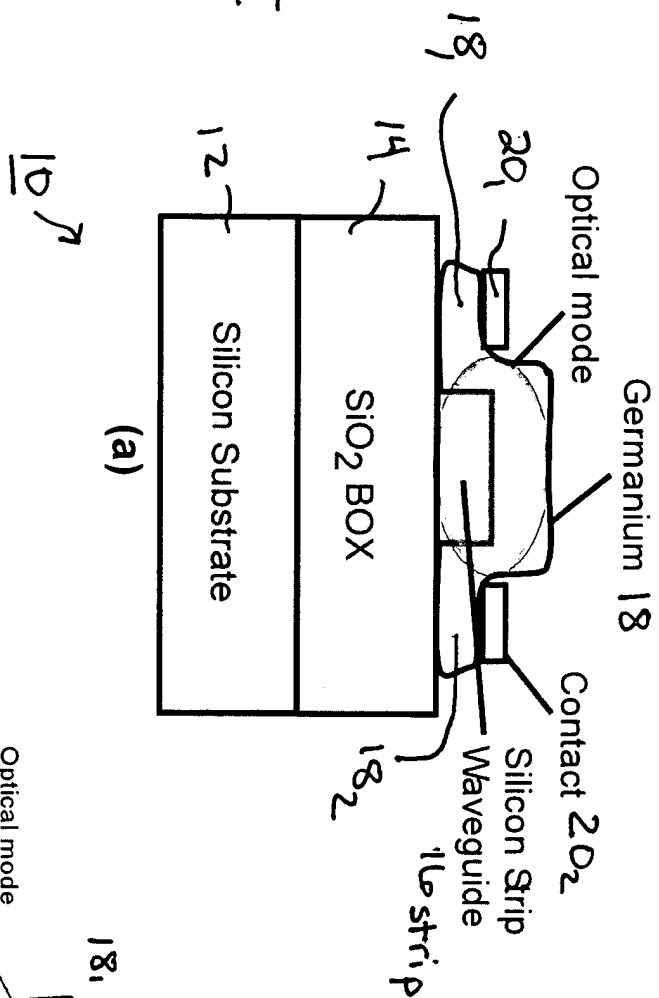
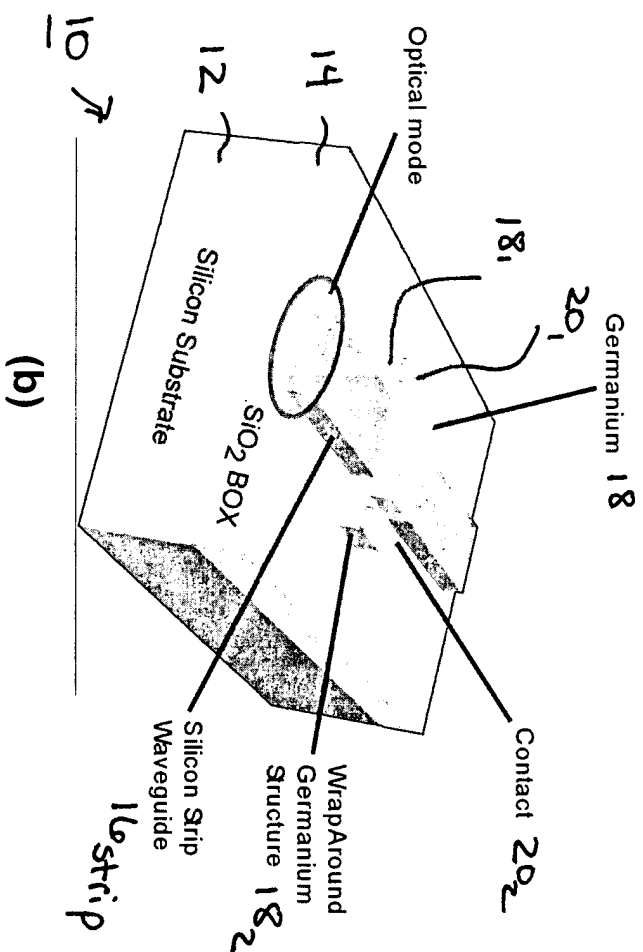


FIG. 6





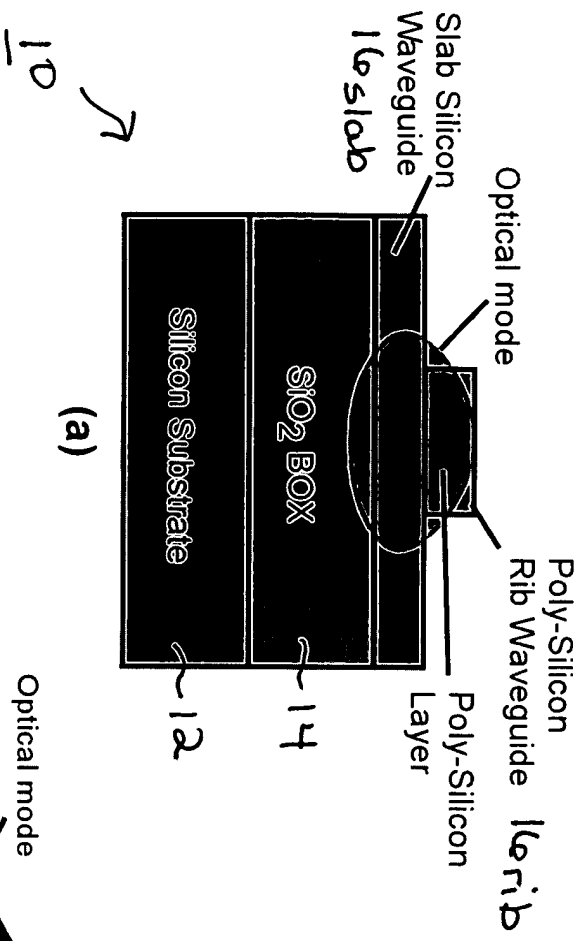
(a)



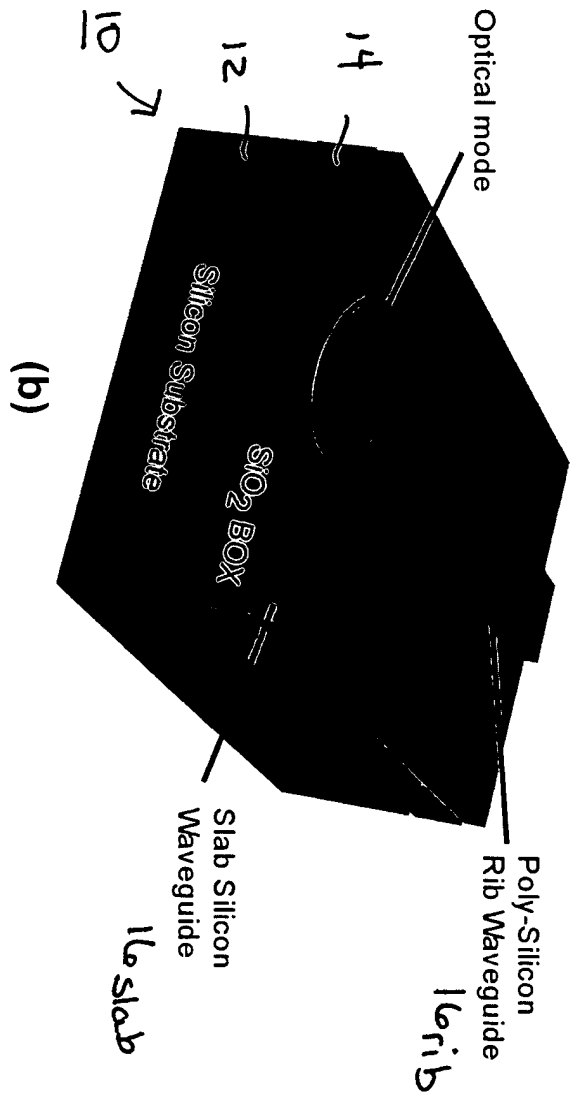
(b)

FIG. 7





(a)



(b)

FIG. 9



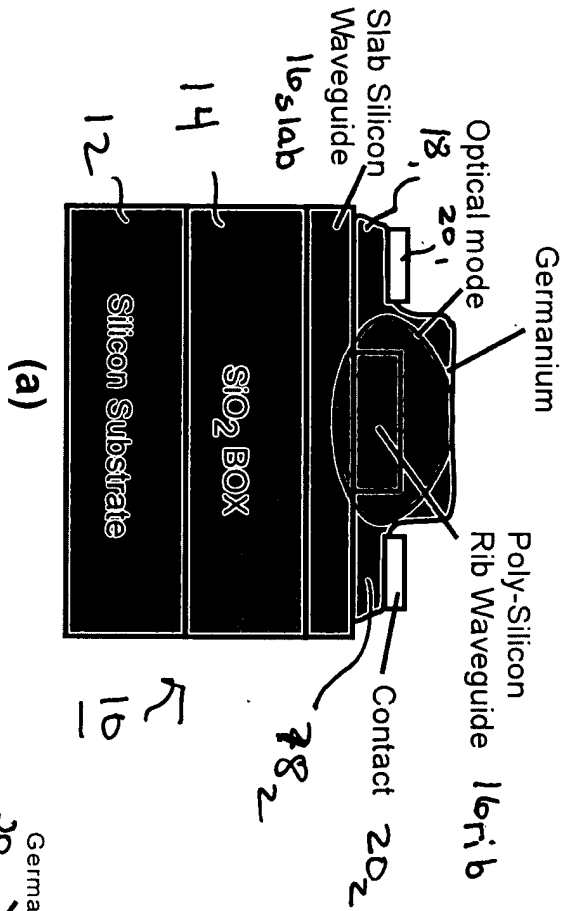
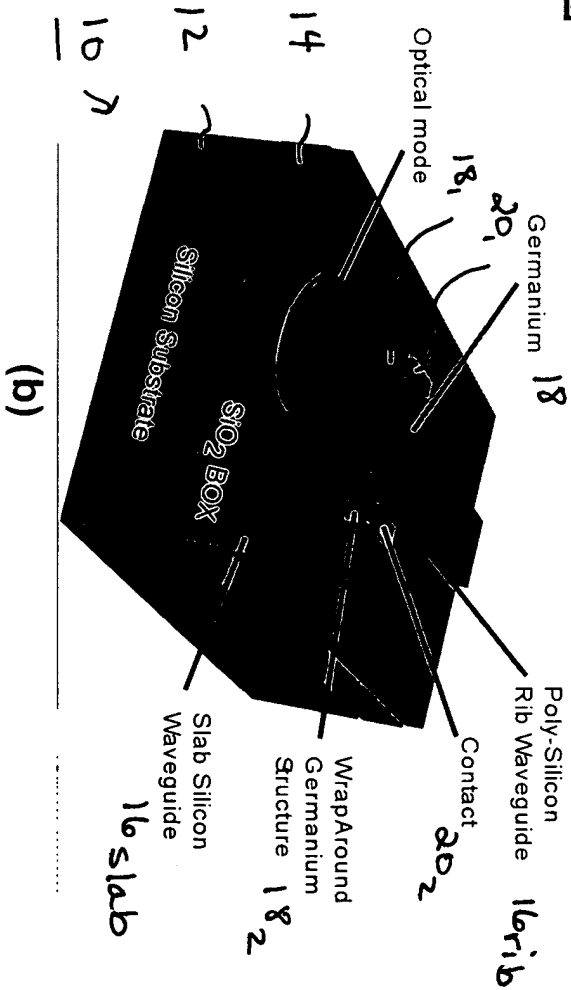


FIG. 10



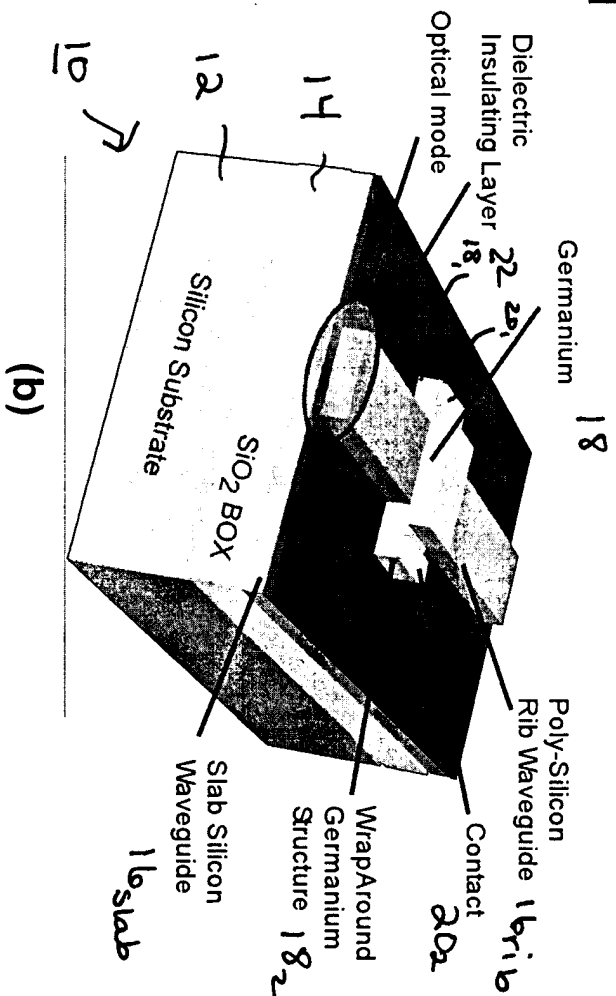
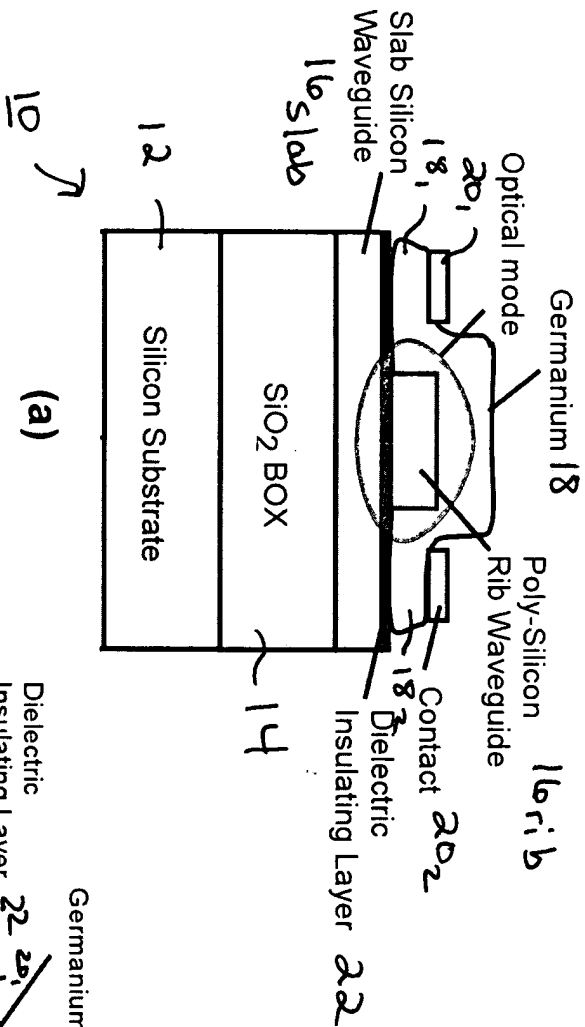


FIG. 11

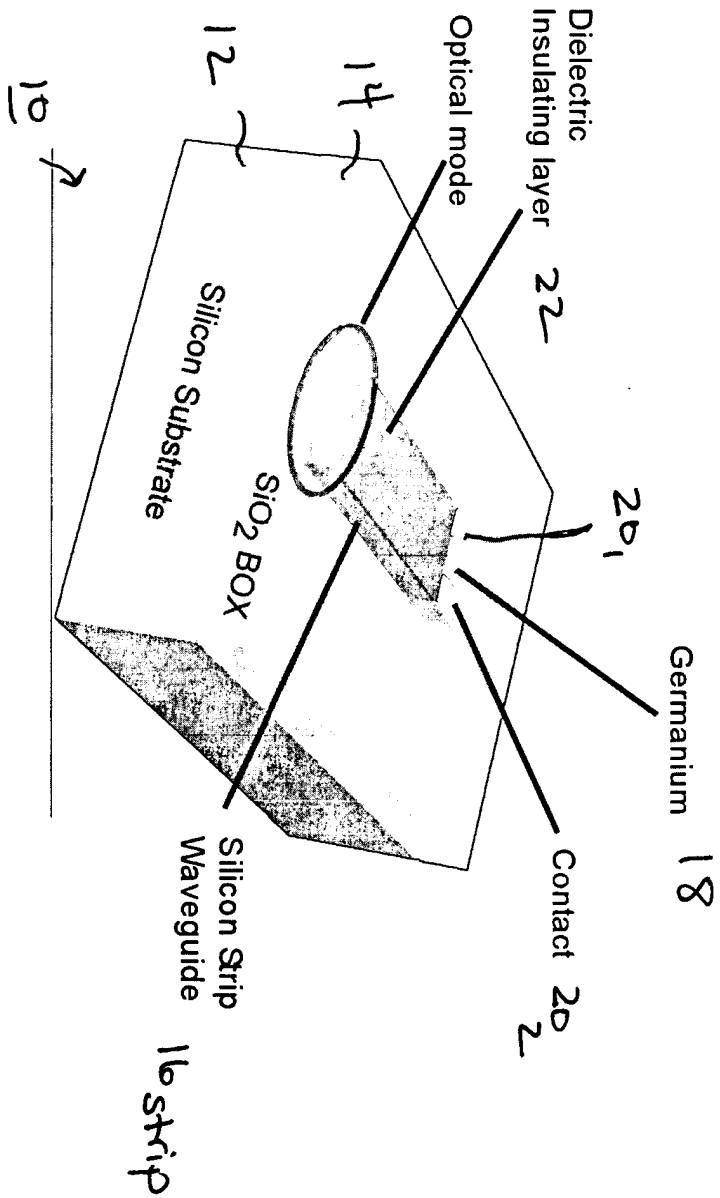


FIG. 12

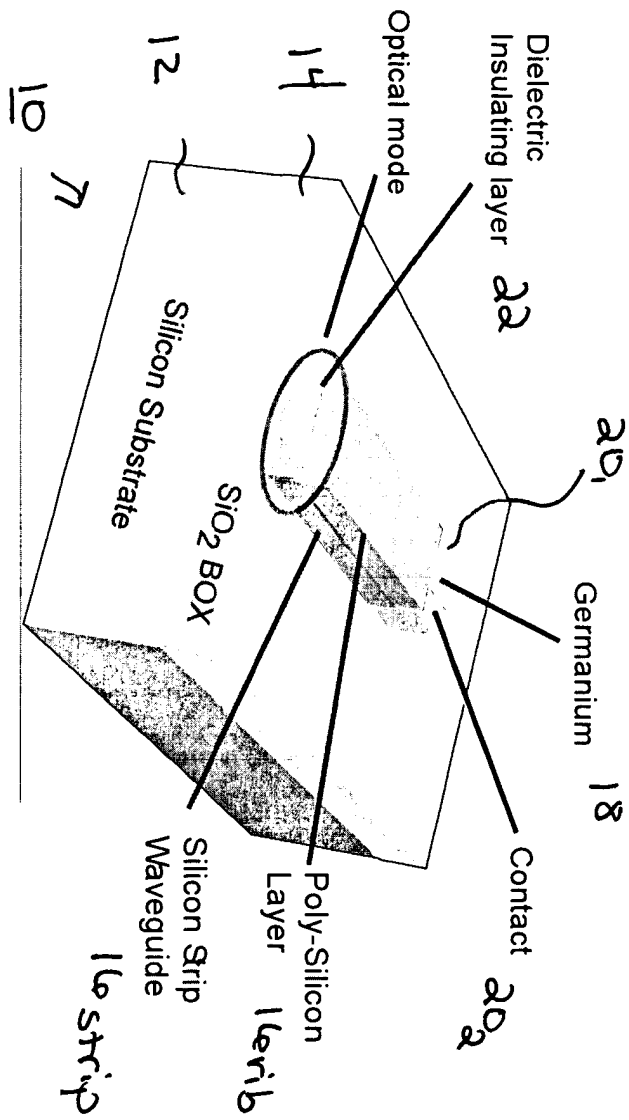


FIG. 13

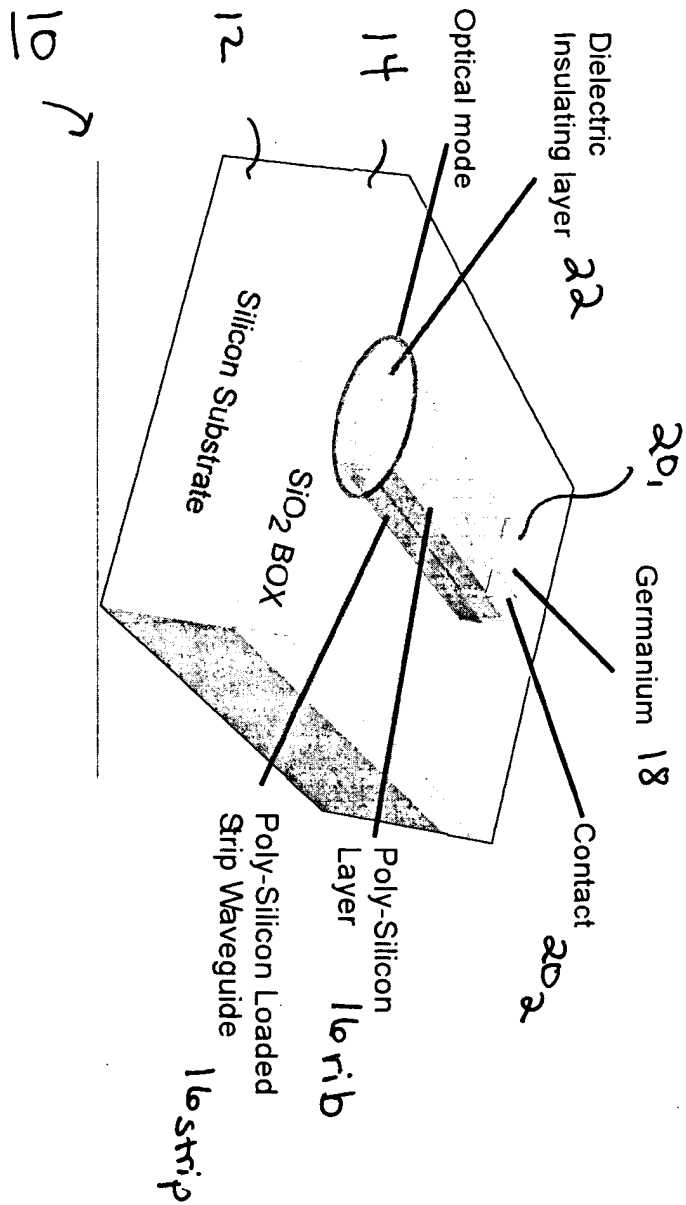


FIG. 14

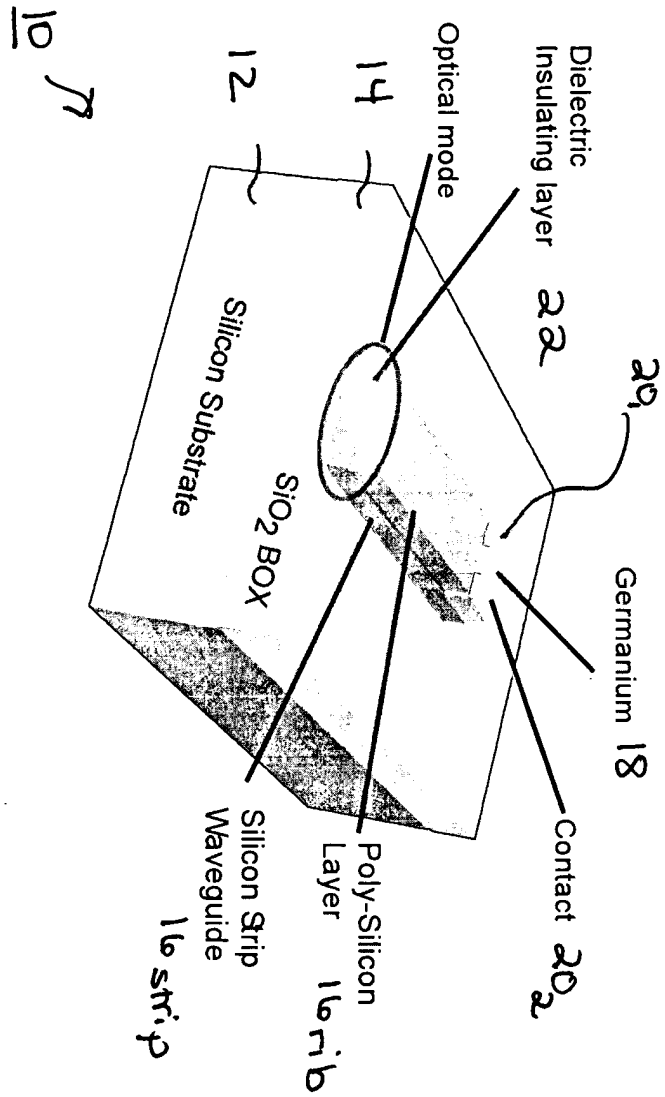
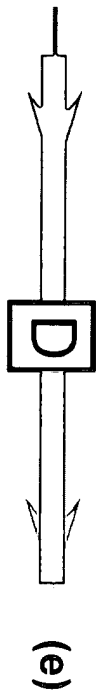
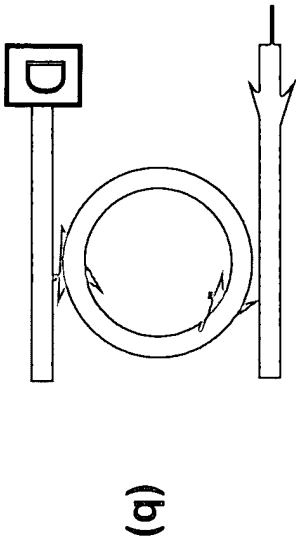


FIG. 15

In-line Detection

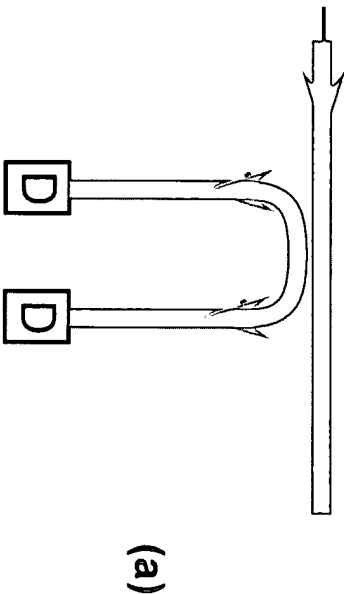


Ring Resonator based Tap



Tap for

Reflected/Transmitted Power



Coupled Waveguide based  
Multi-Wavelength Tap

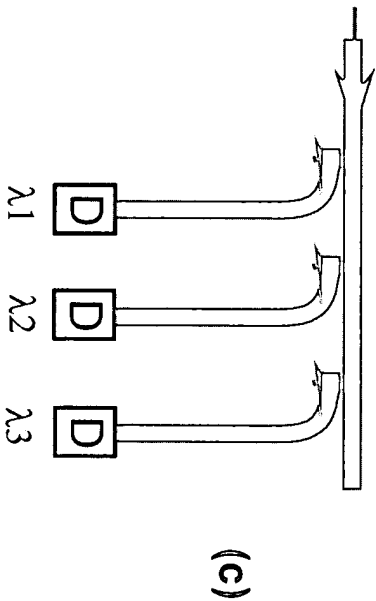
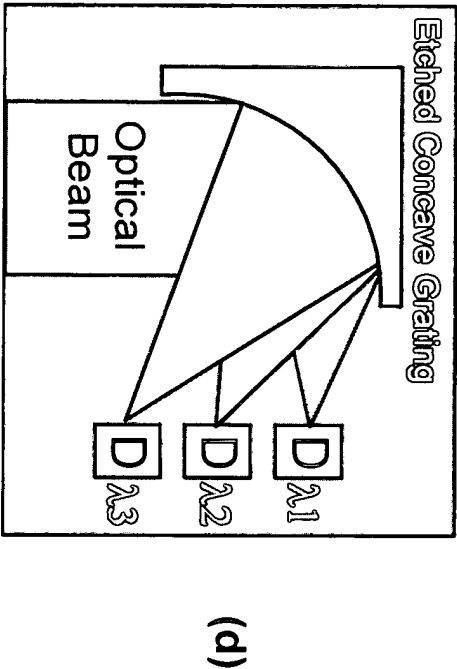


FIG. 16



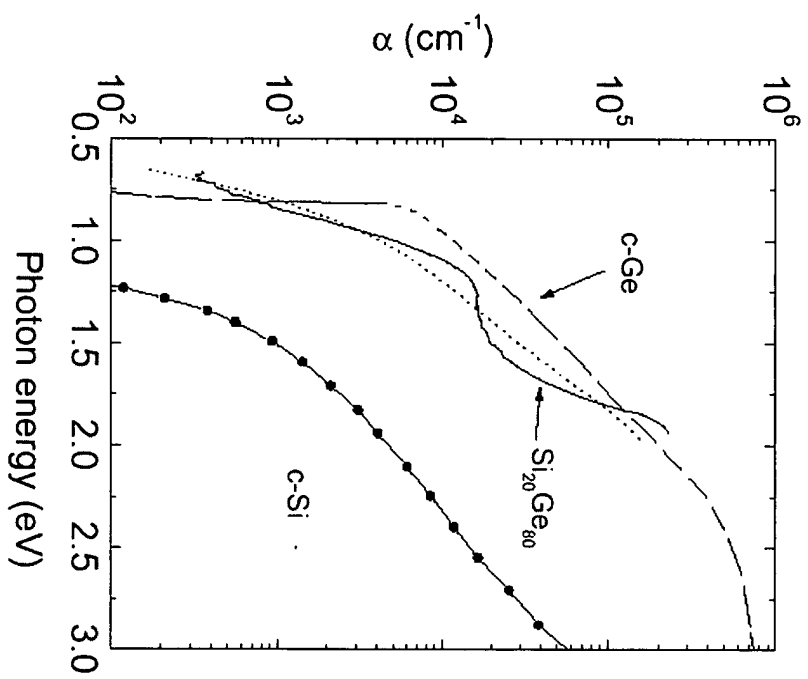


FIG. 17